MILK IS BEST AND WORST FOOD WORKS OUT WE

At the university yesterday, before the the value and care of milk in the home and on the farm. His lucid demonstra-

Dairying is concerned mainly with three things, the production of milk and the care of milk, and the production of food commodities from it. Under the first

Breeds of Cattle.

The breeds that answer fairly well

anlagonistic. Nature cannot perform these two opposite processes. Good milkers are In mor oped, the dairy breeds must be chosen.
The Jersey gives the least and richest milk; next comes the Guerensey. The fluence upon the individual, manufacscale of richness. For quantity the re-verse order prevails; but the individual

maintain temperature. Fat is used in the

"Another method is to heat the milk and thus kill the bacteria as well as prewhich is a necessary constituent of muscles, hair, bone and nervous tissue. Cheese is composed of one-third water, one-third at and one-third casein. Sugar is like fat as to the elements of which it is huilt in the passable, while hone was really bad.

"Another method is to heat the milk and thus kill the bacteria as well as prevent further contamination. In order to day evening and anybody who likes restanding the passable, while hone was really bad.

The play will remain through Wednesvent further contamination. In order to day evening and anybody who likes restanding the passable, while hone was really bad.

The play will remain through Wednesvent further contamination. In order to day evening and anybody who likes rethere elements just named, nitrogen, which is a necessary constituent of muscles, hair, bone and nervous tissue. Cheese
at an one-third water, one-third
at and one-third casein. Sugar is like fat
as to the elements of which it is huilt
in the bacteria as well as prevent further contamination. In order to day evening and anybody who likes rethere elements just named, nitrogen, which is a necessary constituent of muscles, hair, bone and nervous tissue. Cheese
at any order to the passable, while any will remain through Wednesthere of the passable, while any will remain through the passable, while any will remain through the passable. The play will remain through the passable while any will r

Milk as Food.

"Milk will supply all the purposes of the body and is called a perfect food. It is castly digested, differing in this respect from meat. It is one of the most economical of foods. One quart of milk costing 5 cents will supply as much nutriment to the body as three-fourths of a pound of beefsteak costing 9 cents. Milk in some form will be a food after beef may have been abandoned for this use.

Stroyer may lead to its use as a means of covering up unclean methods of dairying. The worst forms of uncleanliness with milk occur with the milker's hands, the exposure of milk to foul odors, which it quickly absorbs, and putting it into unclean and open vessels.

Diseases From Milk.

"The most usual diseases that may be transmitted in milk are tuberculoris."

Secretion of Milk.

The secretion of milk takes place in the udder of the cow. Bacteria lodge on the end of the teet, which is moist, and may thus work up into the udder. The milk in the udder has a germicide effect, and so destroys the bacteria. Milkers who desire the purest form of milk therefore reject the first few streams of the fore reject the first few streams of the milk drawn.

Souring of Milk.

mals have tuberculosis. In this state comparatively few, a very much smaller percentage, of dairy animals are affected. Not every cow will contaminate her milk in such a way as to prevent the undue multiplication of the bacteria which it invariably contains. It is not possible to produce milk absolutely free from bacteria. Clean stables, free from dust and odors, will greatly reduce the number of the bacteria present, but will not wholly abolish them. About 200 bacteria to the cubic centimeter will be found in normal milk after ordinary precautions have been taken.

A holiday gift that is appreciated.

Shoes for women, \$2 to \$7.50 a pair.

Shoes for men, \$2.50 to \$7.50 a pair.



238 Main

gents "FOSTER." for women. gents "NETTLETON." for men.

PURE FOOD LAW

Professor Woodward Gives a State Chemist Declares That

"In my opinion," says Herman sections in nature study, Professor Wood- Harms, state chemist, in his report to ward of the Agricultural college spoke on the governor, "short weight and short measurement are (the dealer) equally guilty of adulteration. In the matter tion, important to every housekeeper as well as to every dairyman, was as fol- of short weight the consumer loses from 5 to as high as 25 per cent. This is notably true in butter, breakfast foods, flour and canned goods, olive oil, extracts and the like. A purchased pays' commodities from it. Under the first tracts and the like. A purchased pays topic, we consider the breeds of cattle and for full-weight measure and he is certainly entitled to what he never for the purposes for which they are best tainly entitled to what he pays for."

Mr. Harms is of the opinion, further-more, that Utah is all right in the way of observing the law relative to pure "There are three main kinds, the beef breeds, the dual purpose breeds and the dairy breeds. Chief among the first are Shorthorns, Herefords, Angus and Gallo-delivered and the dual purpose breeds and education is constantly going on. He ways. The breeds that answer fairly well for either beef or dairy purposes, but not especially well for either, are the Shorthorns, Red Polls, Brown Swiss and that the national pure food law has had says the dealers are eager to comply Shorthorns, Red Polis, Brown Swiss and Polled Durhams. The principal dairy breeds are Jersey, Guernsey, Ayrshire, Holstein and Dutch Belted. These are fully described in farmers' bulletin 106—Breed of Dairy Cattle.

"The production of beef and of milk are "The production of beef and of milk are possible."

The production of beef and of milk are possible.

In more than a thousand analyses Mr. thin, bony and angular, while the cow that carries much flesh usually produces little milk. The dual purpose breeds represent the middle stage of agriculture as in Utah; but when dairying is fully developed, the dairy breeds must be chosen.

milk; next comes the Guerensey. The fluence upon the individual, manufac-Ayrshire and Dutch Belted rank togeth-er, and the Holstein comes last in the ing, he asserts, is often the fault of ing, he asserts, is often the fault of misunderstanding, and a stricter ob-

at and one-third casein. Sugar is like fat as to the elements of which it is built. In the case of a young and growing animal it is necessary to supply it with a food that contains relatively more of the protetids. The ash is used in digestion and in bone building.

there for thirty minutes.

"Pasteurization of milk consists in heating it highly enough to destroy the bacillus of tuberculosis. For this purpose a heat of 50 degrees for twenty minutes, or of 165 degrees for ten minutes, is sufficient to destroy the germs of nearly all the diseases communicated in milk. There the diseases communicated in milk. There is one disadvantage in Pasteurization. Milk as Food.

namely, that its efficacy as a germ deMilk will supply all the purposes of the stroyer may lead to its use as a means of

transmitted in milk are tuberculosis, diphtheria, typhoid and scarlet fever. Tuberculosis causes more deaths than any other infectious disease. It afflicts swine and chickens as well as cattle. swine and chickens as well as cattle. The latter have it in the same form as man, though it has not yet been conclusively proved that bovine tuberculosis is produced by the same germ as that which develops consumption in the human organism. Nevertheless it is an almost established fact that infants may be infected by the bovine tuberculosis, and it therefore follows as a probability that The souring of milk is due to the presence of two forms of bacteria, which work upon the milk sugar, or lactose and water, and break the sugar down into lactic acid.

The souring of milk is due to the presence of two forms of bacteria, which may also take the malady in that way. In the east perhaps 5 per cent of the animals have tuberculosis. In this state

thrives in milk, as does also that of diphtheria organism comes also from man. It usually gains access to the milk from the milker, say through his coughing, whereby some of the invisible sputum spray may be carried into the milk vessel. Like the typhoid organism, this one grows rapidly in milk, and may infect those who drink it.

"The organism of scarlet fever has never been isolated. It is thought, however, that it gains access to the milk from some person infected with the discase.

What Is Cleanliness.

"The matter of cleanliness is much is understood. In the sanitary sense, a ish is clean when free from bacteria. for water for rinsing without the use of the boot is the boot is the boot in the boot is the boot in the boot ish rags or dish towels is the best

method.

"The dish rag is an unnecessary evil about milk dishes and utensils. A brush will do the work better. First wash the milk vessel in warm (not hot) water, to avoid cooking any of the milk adhering to its sides. Next rinse out with hot water, or sterilize with steam. Then let the dishes dry naturally. the dishes dry naturally. Do not use a rag to dry them, since it will transfer to the dishes the bacteria abundant in the oth. By using a rag, people undo some f the work accomplished in the washing."

Holiday Rates

December 18, 19, 24, 25, 31 and January Via Oregon Short Line. Limit January 4th. See agents for further particulars.

To the Public.

This is to notify the public that Dail Neilson, formerly driver No. 2, is o longer in our employ, and is not authorized to do any further business for this establishment

CHICAGO CLIVANING CO., 37 Postoffice Place. Picture Framing.

MIDGLEY-BODEL CO., 33 E. 1st South. Boys' Yoke Laced Sweaters. Big 75c value, now 25c. Cutler Bros. Co., 36 Main street.

AMUSEMENTS.

Spending a million dollars a year should be an amusing occupation for anybody, including the lookers-on. The process of spending a million in order to win seven millions furnishes the basis for the medy of "Brewster's Millions,"

Clear Exposition at the University.

CARE OF MILK AT HOME

CLAINLINESS SHOWN TO BE SAFEGUARD AGAINST DISEASE.

State Chemist Declares That Utah Leads Many States in Standards of Excellence.

State Chemist Declares That Utah Leads Many States in Standards of Excellence.

Standards of Excellence.

CARE OF MILK AT HOME

SCORE FOR SHORT WEIGHTS

SAYS CONSUMER GETS WORST

OF IT ON BUTTER ESPECIALLY.

Comedy of "Brewster's Millions," which began a return engagement at the Salt Lake theatre last evening.

The play has established a reputation as a clear, sparkling and entertaining comedy, which is perhaps across the border line of farce. Great interest is added through the fact that the principal feminine role is played by Miss June Mathis, a young Sait Lake girl, whose steady progress on the stage is being watched with great interest by a large number of local friends.

Miss Mathis interpretation of the part of Peggy, who finally marries the spectacular spendthrift, shows that she has



June Mathis.

seale of reliness. For quantity the findividual servance of the rule applying to preservatives is urged.

Composition of Milk.

"Milk is a complex substance, always containing the same elements, though in varying proportions, no matter from any other state in the union, and are the tried of dairy anymal it is taken. It is taken any other state in the union, and are faculty of making a slight metion of the preservative of the rule applying to preservative is urged.

"The conditions of food in this state combination, she is justified in looking forward to great things. It is an ingenue part she has, but she plays it with considerable strength, and every movement she makes has a meaning. She has the faculty of making a slight metion of the preservative of the rule applying to preservative is urged.

"The conditions of food in this state combination, she is justified in looking forward to great things. It is an ingenue part she has, but she plays it with considerable strength, and every movement she makes has a meaning. She has the containing the same elements, though in varying proportions, no matter from what kind of dairy animal it is taken. It percentages, average cow's milk contains water \$7.4, fat 3.6, casein 3, albumen 5, sugar 4.5, and ash or mineral matter, 5, per cent. Contrary to popular belief, superior care and feeding will increase the quantity, but not the quality varies with the breed, the period of lactation, the fat increasing will and co-operation of our retailers with different cows.

"The different cows.

"The different uses to which these elements are put in the human body may be indicated. Water is a necessary constituent of all bodily tissues and also to maintain temperature. Fat is used in the body for the production of a prosecute."

"Water than 11 last evening, and siderable strength, and every movement she making a slight motion of the each than too in present of the eyebrows, tell as tory, and that faculty spells success on the faculty of making a slight motion of the each of the peed or a primace of the peed of the performance was the most making a light motion of the each of the peed of the performance was the most making and the making a slight motion of the making a slight motion of experience should make her famous. This is not said in any spirit of local pride,

maintain temperature. Fat is used in the body for the production of energy and the formation of fatty tissue. It is composed of three elements—carbon, hydrogen and oxygen. When milk is bought or sold it is only the amount of fat that is considered in the price paid for it.

"Butter is composed of water and fat. The tissues of the body are proteid substances and depend upon casein and al
"Another method is to heat the milk is not said in any spirit of local pride, but in an effort to secure a judicial perspective of her work.

Robert ober. as Brewster, carried out the principal masculine role satisfactorily. Practically all the rest of the cast were lay figures, so far as the plot and the principal masculine role satisfactorily. Practically all the rest of the cast were lay figures, so far as the plot and the opportunities for acting were concerned. Some were pretty good, and some were pretty good, and some were pretty good, and some were pressed by the local pride, but in an effort to secure a judicial perspective of her work.

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The first performance of George Ade's successful comedy, "Just Out of College," will be given at the Salt Lake theatre on Thursday evening. According to report, this latest work of the famous author is a worthy successor to "The College Widow." which has delighted the theatre-goers of this city. Several song hits are introduced with a chorus of pretty girls and a college boy quartette. A matinee at popular prices will be given on Saturday. The sale of seats begins today.

The attraction offered by Willard Mack

HEWLETT'S

TEAS

ALWAYS GOOD

TONIGHT and Wed, and Wed, and Wed. Matinee

SPECIAL SALE. 154 Main St.

and company is one that made Nat Goodwin his first real success. "A Gold-Mine," the piece, is giving first-class sat-isfaction and will be at the Colonial for the balance of the week.

The four active pickaninnies used by Miss Amy Staniey, in her singing and dancing melange, which is known in European music halls as "The Girl with the Picks," are said to have been especially carefully selected and are the most remarkable "little brownies" on the stage. Upon one occasion Adeline Genee, the noted Engish dancer, used them in a ballet at the Empire theatre, and at another time they appeared with the famous Parisian chanteuse, Mlle. Fougere. Miss Stanley's act was much more pleasing than on the opening night. Sunday night, owing to a mixup in the orchestra, the music was not played correctly, and the act dragged. Miss Stanley also was affected by the altitude. This and eight other acts make up this week's bill. Hope Booth, who plays "The Little Blond Lady," was taken ill last evening, and her act, instead of being the first on the program, came after the final pictures, when Miss Prooth was able to go on.

Defense Denied.

Union City, Tenn., Dec. 14.—The trial of eight alleged night riders, on a charge f murder, began this afternoon. Immediately after the men were brought Immediately after the men were brought into court the prosecution formally requested that the court instead of the sheriff, as is usual, select the venire. The defense insisted that the indictments returned at the October term of court, charging an offense of a less serious nature, be first disposed of and that the sheriff be permitted to select the panel.

Judge Jones decided adversely to both requests. Then the defense announced it was ready for trial, but, because of the ruling of the court, under protest.

Judge Jones announced that he would summon 300 men to be present Monday when the work of selecting the jury will work of selecting the jury will

The Cohan and Harris Comedians

BREWSTER'S MILLIONS ROBERT OBER

and JUNE MATHIS Prices, 25c to \$1.50. Sale now on. Next Attraction—Thursday, Friday and Saturday, "Just Out of College."

COLONIAL THEATRE

Third South Between Main and State.
Bell phone 434. Ind. 199. TONIGHT

Willard Mack and Maud Leone And associate players in Nat Good-win's big-success

A GOLD MINE Prices, 25c, 50c, 75c; boxes and divans, \$1.00. Matinees Wednesday and Satur-

Week starting Sunday, Dec. 20, Yale's Everlasting "Devil's Auction."

MATINEE

BOTH PHONES 3569 Orpheum

All Seats Reserved ADVANCED VAUDEVILLE

HOPE BOOTH & CO. VALADON. THE KINSONS. BURT EARLE. AMY STANLEY. LEO DONNELLY. ALEXIS & SCHALL

The Kinodrome. Orpheum Orchestra. Entire orchestra at all Matinees. Matinees—15c, 25c, 50c; box seats, 75c. Evenings—25c, 50c, 75c; box seats, \$1.00.

AND NOWHERE ELSE

TONIGHT, MATINEE WED. MR. WILLIS HALL & CO. In the Dramatic Sensation,

The DEVIL DARING! BRILLIANT

Only Presentation in Salt Lake at Popular Prices.

60c GLOVES FOR 40c-Ladies' fine | 35c AND 40c GOLF GLOVES FOR Cashmere Gloves, silk lined, in black only, a very superior 60c

ESTABLISHED

A Most Desirable Xmas Gift

GLOVES

Our Special Holiday Values simplify the gift problem. We

guarantee every pair and will exchange any that are not

satisfactory, so you take no chances in selecting them

\$1.25 KID GLOVES FOR \$1.00-The Famosa two-clasp fine Kid Glove, a perfect fitting fine quality, the greatest \$1.25 value in the market. at\$1.00

BEST \$1.00 GLOVES FOR 75c-Kaysor's guaranteed Silk Gloves, cashmere lined, all sizes, the best \$1.00 Gloves in America, 75c special this week ...

25c-Golf Gloves for Ladies and children, all sizes and colors, qualities and styles that will appeal to you for warmth and durability-

\$2.50 GAUNTLET GLOVES FOR \$1.75-Ladies' Cape Gauntlet Gloves, in tans only, very nobby and durable, the best wear resisting quality, all sizes, \$1.75 on sale at

\$3.25 LONG KID GLOVES FOR \$2.25-Ladies' 12 B length, fine French Kid Gloves, in black and colors, all sizes, the best \$3.25 value, this week



It Carries Weight

sibility off your shoulders, and pro-tects you from loss by fire when you have a policy taken out through

Heber J. Grant & Co.'s Agency

Our companies are all thoroughly responsible, and always make prompt settlement of claims.

20-26 South Main St., Salt Lake City, Utah. Phones 500.

Free Museum-For Men Only



Life-size reproductions of the human form, presenting a study of health and disease affording educational opportunities not found elsewhere.

Our medical offices and treatment rooms are on the large hall, so that there is no confusion or publicity; parties desiring to consult us can do so in strict privacy and free of charge.

Our Fee for a Complete Cure in any Uncomplicated Case

Weakness of men: Varicocele, Nervous Debility, Kidney, Bludder, Prostatic and all Contracted Dis-

Salt Lake Medical Institute

1591/6 SOUTH MAIN ST.

SALT LAKE CITY, UTAH

GARDNER DAILY STORE NEWS

Every winter garment in the house at a reduction

GARDNER DAILY STORE NEWS MAIL ORDERS PROMPTLY FILLED

Fine Clothes Greatly Reduced

No man who has any need whatever for a winter suit or overcoat should fail to take advantage of the exceptional values offered him in this sale. Better clothing cannot be had at any price and reduced prices on good clothing of any sort is unusual at this season of the year. Reductions apply to every winter suit and overcoat in the store, men's boys' and children's; blacks, blues and pattern goods.

MEN'S SUITS AND OVERCOATS

Gardner \$10.00 Suits and Overcoats go in this sale at	\$7.00
Gardner \$12.00 Suits and Overcoats go in this sale at	\$9.00
Gardner \$15.00 Suits and Overcoats go in this sale at	\$11.00
Gardner \$18.00 Suits and Overcoats go in this sale at	\$13.50
Gardner \$20.00 Suits and Overcoats go in this sale at	\$15.00

A fine lot of men's fancy Worsted Vests, sold | DRICE

regularly at from \$4 to \$7.50, go now at,

Gardner \$25.00 Suits and Overcoats \$19.00 go in this sale at Gardner \$30.00 Suits and Overcoats \$22 50 go in this sale at Gardner \$35.00 Suits and Overcoats \$26.00 go in this sale at Gardner \$40.00 Suits and Overcoats \$30.00 go in this sale at Gardner \$50 Overcoats \$37.50 go in this sale at



each, \$2.50.

Boys' and Children's Suits and Overcoats, all styles and all sizes, go at from 25 to 30 per cent discount from

Gardner regular low prices.

Mufflers- 25c to \$3.50 Handkerchiefs- 10c to \$1 Handkerchiefs in beautiful individual cartons, per box of three- \$1 and \$1.50 \$1.40 Box of six-Umbrellas- 75c to \$12

Christmas articles. We have an endless variety of useful and substantial things that will make the most sensible presents. 10c to \$1 25c to \$6 Gloves-Fancy Suspenders-50c to \$3.50

Fancy Waistcoats-



Presents for Men and Boys The Gardner store is fast taking on the Christmas aspect. Yesterday hundreds were on hand making early purchases of

Lounging House Coats